

MAJOR MODIFICATION STATEMENT OF BASIS

as required by LAC 33:IX.3109 for a draft permit modification for which a fact sheet under LAC 33:IX.3111 is not prepared, for draft Louisiana Pollutant Discharge Elimination System Permit No. LA0103349; AI 40879; PER20070001 to discharge to waters of the State of Louisiana as per LAC 33:IX.2311.

The permitting authority for the Louisiana Pollutant Discharge Elimination System (LPDES) is:

Louisiana Department of Environmental Quality
Office of Environmental Services
P. O. Box 4313
Baton Rouge, Louisiana 70821-4313

- I. THE APPLICANT IS:** C-Port, LLC
106 9th Street Lot No. 1
Golden Meadow, Louisiana 70357
- II. PREPARED BY:** Todd Franklin
- DATE PREPARED:** November 16, 2007
- III. PERMIT ACTION:** Modification of LPDES permit LA0103349; AI 40879; PER20070001

LPDES Permit Effective Date: February 1, 2005

LPDES Permit Modification Date: August 1, 2006

- The monitoring frequency for Outfall 911 was changed from once per batch to once every two weeks.

LPDES Permit Modification Date: March 1, 2007

- Outfall 007 was added to allow for a discharge of treated sanitary wastewater.
- The description of Outfall 911 was modified to include stormwater from the NALCO chemical transfer station.

LPDES Permit Expiration Date: January 31, 2010

LPDES application received: June 4, 2007

IV. NATURE OF PERMIT MODIFICATION:

Modification of a LPDES permit to change the effluent limitations of Outfall 911 to reflect a change in the operation at the facility. The facility proposes to receive industrial wastewater from outside clients. The wastewater from clients would include those described in 40 CFR Part 437, The Centralized Waste Treatment Point Source Category. Sources of wastewater may include, but are not limited to, liquid waste receipts, solubilization water, used oil emulsion breaking wastewater, tanker/truck/drum/roll-off box washes, equipment washes, contaminated stormwater, marine generated wastewater, bilge water, ballast water, and oily waste. The outfall will also continue to receive effluent from the current tank washwater and stormwater from the NALCO chemical transfer station.

Waste classified as non-hazardous oilfield waste (NOW) or exploration and production waste (E&P waste) shall not be discharged. However, wash water from tanks or vessels containing NOW or E&P waste may be discharged provided the oilfield waste has been drained or removed from the tanks prior to washing and provided that the facility has fulfilled any requirements from the Department of Natural Resources for handling NOW or E&P Waste. Effluent contaminated with chlorinated organic compounds shall not be discharged at this facility.

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Also, the expected flow from Outfall 911 will increase from 0.15 MGD to 0.25 MGD.

V.

PUBLIC NOTICE:

Upon publication of the public notice, a public comment period shall begin on the date of publication and last for at least 30 days thereafter. During this period, any interested persons may submit written comments on the draft permit modification and may request a public hearing to clarify issues involved in the permit decision at this Office's address on the first page of the statement of basis. A request for a public hearing shall be in writing and shall state the nature of the issues proposed to be raised in the hearing.

Public notice published in:

Local newspaper of general circulation

Office of Environmental Services Public Notice Mailing List

For additional information, contact:

Mr. Todd Franklin
Permits Division
Department of Environmental Quality
Office of Environmental Services
P. O. Box 4313
Baton Rouge, Louisiana 70821-4313

VI.

PROPOSED PERMIT LIMITS:

Subsegment 020403, Bayou Lafourche – Yankee Canal and Saltwater Bayou to Gulf of Mexico, is listed on LDEQ's Final 2004 303(d) List as impaired for total fecal coliform. To date no TMDLs have been completed for this waterbody. A reopener clause will be established in the permit to allow for the requirement of more stringent effluent limitations and requirements as imposed by a TMDL. Until completion of TMDLs for the Barataria Basin, those suspected causes for impairment which are not directly attributed to the centralized wastewater treatment point source category have been eliminated in the formulation of effluent limitations and other requirements of this permit. Additionally, suspected causes of impairment which could be attributed to pollutants which were not determined to be discharged at a level which would cause, have the reasonable potential to cause or contribute to an excursion above any present state water quality standard were also eliminated.

Total Fecal Coliform

The discharge from Outfall 911 does not contain sanitary wastewater, which contributes to the total fecal coliform impairment found in the receiving waterbody. Therefore, specific limitations for fecal coliform are not required for this type of discharge. Please note that the facility does possess a sanitary treatment plant and the discharge from that outfall (Outfall 301) does contain the proper fecal coliform limitation.

Outfall 911

The guidelines for the Centralized Waste Treatment Point Source Category are found in 40 CFR 437. This facility falls into this point source category. Specifically, this facility falls under the guidelines in 40 CFR 437.24, new source performance standards for Subpart B - Oils Treatment and Recovery.

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The parameters listed in the EPA guidelines were compared to the same parameters used for LDEQ empirical limitations and the more stringent of the two values were screened against corresponding water quality standards. The more stringent values are being applied to Outfall 911.

Final Effluents Limitations for Outfall 911 shall become effective on the effective date of this Major Modification and expire on the expiration date of the permit.

Effluent Characteristic	Monthly Avg.	Daily Maximum	Basis
TSS	30.6 mg/l	45 mg/l	Monthly Average is based on 40 CFR 437.24; Daily Maximum is based on the limitation currently found in the discharge permit.
Oil and Grease	---	15 mg/l	Best Professional Judgement (BPJ) based on limits imposed on similar discharges and consistent with the current permit for this facility.
COD	---	125 mg/l	BPJ based on limits imposed on similar dischargers and consistent with the current permit for this facility.
Total Arsenic ¹	---	0.100 mg/l	LDEQ Empirical Numbers
Total Cadmium ¹	0.0102 mg/l	0.0172 mg/l	40 CFR 437.24
Total Chromium ¹	---	0.150 mg/l	LDEQ Empirical Numbers
Total Cobalt	18.8 mg/l	56.4 mg/l	40 CFR 437.24
Total Copper ¹	0.242 mg/l	0.500 mg/l	40 CFR 437.24
Total Lead ¹	---	0.150 mg/l	LDEQ Empirical Numbers
Total Mercury ¹	0.006 mg/l	0.010 mg/l	Monthly Average is based on the WQBL calculation; Daily Maximum is in accordance with LDEQ's Empirical Numbers.
Total Tin	0.165 mg/l	0.335 mg/l	40 CFR 437.24
Total Zinc ¹	---	1.0 mg/l	LDEQ Empirical Numbers
Bis (2-ethylhexyl) phthalate ¹	---	0.100 mg/l	LDEQ Empirical Numbers
Butylbenzyl phthalate	0.0887 mg/l	0.100 mg/l	Monthly average is in accordance with 40 CFR 437.24; Daily Maximum is in accordance with LDEQ's Empirical Numbers.
Carbazole	0.276 mg/l	0.598 mg/l	40 CFR 437.24
n-Decane	0.437 mg/l	0.948 mg/l	40 CFR 437.24
Fluoranthene ¹	0.0268 mg/l	0.0537 mg/l	40 CFR 437.24

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Effluent Characteristic	Monthly Avg.	Daily Maximum	Basis
n-Octadecane	0.302 mg/l	0.589 mg/l	40 CFR 437.24

If any individual analytical test result is less than the minimum quantification level (MQL) listed in Section VII of this statement of basis, a value of zero (0) may be used for that individual result for the Discharge Monitoring Report (DMR) calculations and reporting requirements.

*Concentration limits are used in accordance with LAC 33:IX.2709.F.1.b which states that mass limitations are not necessary when applicable standards and limitations are expressed in other units of measurement.

Other Effluent Limitations:**1) pH**

The pH shall not be less than 6.0 standard units nor greater than 9.0 standard units at any time. (Limits are in accordance with 40 CFR 437.24).

2) Solids and Foam

There shall be no discharge of floating solids or visible foam in other than trace amounts in accordance with LAC 33:IX.1113.B.7.

VII.**CURRENT PERMIT LIMITATIONS FOR OUTFALL 911:**

<u>Effluent Characteristic</u>	<u>Discharge Limitations</u>		<u>Monitoring Requirements</u>	
	<u>Daily Avg.</u>	<u>Daily Max.</u>	<u>Measurement Frequency</u>	<u>Sample Type</u>
Flow	Report	Report	1 / 2 weeks	Measure
COD	---	125 mg/l	1 / 2 weeks	Grab
Oil & Grease	---	15 mg/l	1 / 2 weeks	Grab
TSS	---	45 mg/l	1 / 2 weeks	Grab
pH	Range (6.0 su – 9.0 su)		1 / 2 weeks	Grab

VIII.**MINIMUM QUANTIFICATION LEVELS (MQL) OF VARIOUS TOXIC SUBSTANCES IN THE PERMIT****BASE/NEUTRAL EXTRACTABLE****ORGANIC CHEMICALS**

bis(2-ethylhexyl)phthalate (117-81-7)

fluoranthene (206-44-0)

METALS

arsenic (7440-38-2)

cadmium (7440-43-9)

copper (7550-50-8)

lead (7439-92-1)

mercury (7439-97-6)

nickel (7440-02-0)

zinc (7440-66-6)

Required MQL (µg/l)

10

10

Required MQL (µg/l)

10

1

10

5

0.2

40

20

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IX. ADDITIONAL INFORMATION

LDEQ reserves the right to impose more stringent discharge limitations and/or additional restrictions in the future. Additional limitations and/or restrictions are based upon water quality studies and can indicate the need for advanced wastewater treatment. Prior to upgrading or expanding this facility, the permittee should contact LDEQ to determine the status of the work being done to establish future effluent limitations and additional permit conditions.

The following **Monitoring Requirements, Sample Types, and Frequency of Sampling** are required in this permit.

Outfall 001Effluent CharacteristicsMonitoring Requirements

	<u>Measurement Frequency</u>	<u>Sample Type</u>
Flow	Continuous	Record
TSS	1/2 weeks	Grab
COD	1/2 weeks	Grab
pH	1/2 weeks	Grab
Oil & Grease	1/2 weeks	Grab
Total Arsenic	1/2 weeks	Grab
Total Cadmium	1/2 weeks	Grab
Total Chromium	1/2 weeks	Grab
Total Cobalt	1/2 weeks	Grab
Total Copper	1/2 weeks	Grab
Total Lead	1/2 weeks	Grab
Total Mercury	1/2 weeks	Grab
Total Tin	1/2 weeks	Grab
Total Zinc	1/2 weeks	Grab
Bis (2-ethylhexyl) phthalate	1/2 weeks	Grab
Butylbenzyl phthalate	1/2 weeks	Grab
Carbazole	1/2 weeks	Grab
n-Decane	1/2 weeks	Grab
Fluoranthene	1/2 weeks	Grab
n-Octadecane	1/2 weeks	Grab